

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of

YAMAMOTO et al.

Application Number: 09/873,206

Filed: June 5, 2001

For: OPTICAL MEASUREMENT DEVICE

Attorney Docket No. NIPP.0001

Honorable Assistant Commissioner for Patents
Washington, D.C. 20231

Unit 3742

Examiner
Hoang, Tu Ba

RECEIVED

JAN 29 2003

TECHNOLOGY CENTER R3700

RESPONSE AND AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

This is in response to the office action dated September 26, 2002, in the above identified application, the period for response will expire on January 26, 2003 with the one-month extension fee filed herewith. Please amend the above identified application with the replacement paragraphs/sections/claims as follows:

IN THE SPECIFICATION:

Please replace the second paragraph of page 1 (continuing to page 2) of the Disclosure currently on file with the following paragraph:

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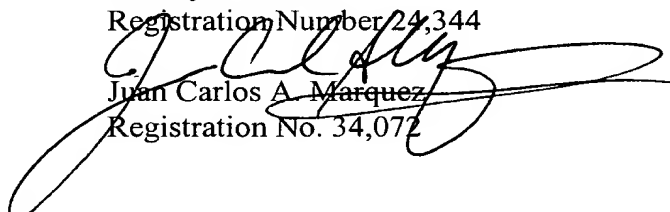
As a somatometry using light, an optical topography which is used for measuring brain function has been known as disclosed, for example, in Japanese Patent Publication Nos. JP-A-9-98972 and JP-A-5-115485. In such optical topography, light is illuminated on a living body representing a measurement object (a subject), and transmitted and scattered light from the tissue in vivo is collected and detected at a point remote from the illumination point by a few mm to a few cm. An optical fiber is generally used as a light guiding means when illuminating light onto a living body and detecting light from the living body. From the measured intensity of the transmitted and scattered light from the tissue in vivo a density of light absorption substance in vivo can be determined. As examples of such light absorption substances oxyhemoglobin and deoxyhemoglobin representing metabolic

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- [] Please charge my **Deposit Account Number** _____ in the amount of _____ to cover the fees for _____. A duplicate copy of this paper is enclosed.
- [x] A check in the amount of **\$110.00** to cover the one-month extension fee is enclosed.
- [x] The Commissioner is hereby authorized to charge any additional fees associated with this communication, including patent application filing fees and processing fees under 37 C.F.R. § 1.16 and 1.17, or credit any overpayment to **Deposit Account Number 08-1480**.

Respectfully submitted,

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January 24, 2003

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